

Notice of Allowability

Application No.

09/781,638

Examiner

Hoang-Vu A. Nguyen-Ba

Applicant(s)

KOTHARI ET AL.

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment After Final filed Aug 16, 2006.
2. ☒ The allowed claim(s) is/are 1,2,4,5,11-13,19,20,22,23,25,26,32-34,40,41,64,68,78,91 and 92.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



ANTONY NGUYEN-BA
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Rodney L. Lacy, Reg. No. 41,136 on September 12, 2006.

The application has been amended as follows:

In the Claims:

- 1 (Currently Amended)
at line 10:
after "one or more control blocks," delete "and"
after "a portion of subset of the source code" delete "; node of
the one or more" and insert -- , a node of a plurality of --
at line 11: delete "nodes, and" and insert -- nodes in the program slice
diagram; and --
11. (Currently Amended)
at line 5: after "semantic information" insert -- ; --
20. (Currently Amended)
at line 2: after "and wherein performing" delete "event" and insert --
semantic --
22. (Currently Amended)
at line 1: delete "A tangible computer-readable media" and insert -- A
storage medium --
at line 12:
after "one or more control blocks," delete "and"

after “a portion of subset of the source code” delete “; node of the one or more” and insert -- , a node of a plurality of –
at line 13: delete “nodes, and” and insert – nodes in the program slice diagram; and –

23. (Currently Amended)

at line 1: delete “The tangible computer-readable media” and insert –
The storage medium –

25. (Currently Amended)

at line 1: delete “The tangible computer-readable media” and insert –
The storage medium –

26. (Currently Amended)

at line 1: delete “The tangible computer-readable media” and insert –
The storage medium –

32. (Currently Amended)

at line 1: delete “A tangible computer-readable media” and insert – A
storage medium –

at line 7: after “semantic information” insert -- ; --

at line 11: after “displaying the program slice diagram” delete “:” and
insert -- . –

40. (Currently Amended)

at line 1: delete “The tangible computer-readable media” and insert –
The storage medium –

41. (Currently Amended)

at line 1: delete “The tangible computer-readable media” and insert –
The storage medium –

at line 2: after “and wherein performing” delete “event” and insert –
semantic –

Examiner’ Statement of Reasons for Allowance

2. Claims 1-2, 4-5, 11-13, 19-20, 22-23, 25-26, 32-34, 40-41, 64, 68, 78 and 91-92 are allowed.

3. The following is an examiner’s statement of reasons for allowance.

As persuasively argued by Applicants in the Remarks filed August 16, 2006, the prior art of record, i.e., Clark, Dollin et al. and Jacobson, taken alone or in combination, fail to teach or suggest the following features, particularly when they are taken in combination with the remaining features of the claims:

determining a cross-reference between the program slice diagram, a control block in the one or more control blocks, a portion of subset of the source code (Claims 1 and 22) (see Remarks, p. 9);

performing semantic abstraction to group a subset of nodes together based on the semantic information (Claims 11 and 32) (see Remarks, p. 11-13); and

a controller that cross-references information between the code browser, the block-level abstract syntax tree viewer, the program slice browser, and the template viewer (claim 64) (see Remarks, p. 13)

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

4. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Hoang-Vu A. Nguyen-Ba whose telephone number is (571) 272-3701. The Examiner can normally be reached on Tuesday - Friday from 7:45 – 18:15.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Tuan Dam can be reached at (571) 272-3695.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ANTONY NGUYEN-BA
PRIMARY EXAMINER
September 14, 2006